

Converting Colors

$Y_{xy}(49.5840, 0.2172, 0.2283)$

Have a look what the booklet for
Yxy(49.5840, 0.2172, 0.2283)
contains.

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Color

Yxy(47.9923, 0.2253, 0.2486)

Conversions

Conversions Part 1

Format	Color
Hex	71BFFF
RGB	113, 191, 255
RGB Percent	44%, 75%, 100%
CMY	0.5566, 0.2510, 0.0001
CMYK	0.56, 0.25, 0.00, 0.00
HSL	207°, 100%, 72%
HSV	207°, 56%, 100%
XYZ	43.4942, 47.9923, 101.5638
YIQ	174.9740, -67.0320, 3.3680

Conversions

Conversions Part 2

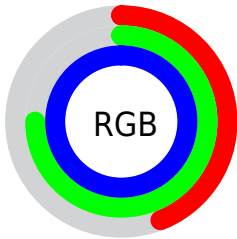
Format	Color
R_{YB}	113, 163, 255
Decimal	7454719
CIE _{Lab}	74.82, -6.16, -38.83
CIE _{LCh}	75, 39.314, 260.979
Yxy	47.9923, 0.2253, 0.2486
Android (android.graphics.Color)	4285644799 (0xFF71BFFF)
YUV	174.9740, 39.4528, -54.3512
Hunter-Lab	69.2765, -9.1652, -38.4294

Details

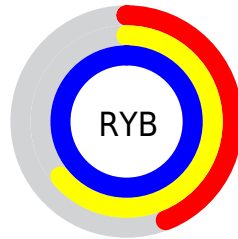
The Yxy color **47.9923, 0.2253, 0.2486** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.9160, 0.4384, 0.3942**, and the grayscale version is **42.6820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6258, 0.2656, 0.3201**, and **22.8121, 0.2038, 0.2283** is the 20% darker color. If you saturate the color by 10%, you get **41.7135, 0.2118, 0.2310**, and if you desaturate by 10%, it is **55.1432, 0.2402, 0.2656**.

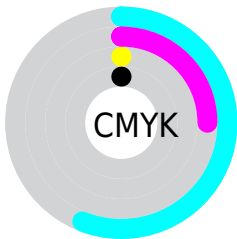
Distribution



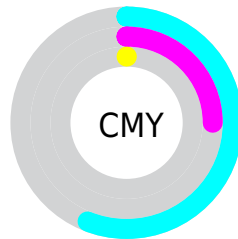
- Red (44%)
- Green (75%)
- Blue (100%)



- Red (44%)
- Yellow (64%)
- Blue (100%)



- Cyan (56%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9923, 0.2253, 0.2486 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 47.9923, 0.2253, 0.2486 by changing the saturation by 10% instead.


 47.9923, 0.2253,
0.2486


 47.9923, 0.2253,
0.2486


378.7616, 0.2670,
0.2876

 33.8208, 0.2157,
0.2394


 87.1929, 0.2399,
0.2624

 22.7560, 0.2038,
0.2280


 112.9909, 0.2455,
0.2677

 14.4134, 0.1888,
0.2134


 143.4330, 0.2504,
0.2722

 8.4088, 0.1696,
0.1944

178.9039, 0.2546,
0.2762

 4.3576, 0.1442,
0.1689

219.7877, 0.2583,
0.2796

 1.8755, 0.1104,
0.1339

266.4691, 0.2615,

 0.5336, 0.0543,

0.2826

0.0812

319.3322, 0.2644,
0.2853

0.0000, 0.0000,
0.0000

47.9923, 0.2253,
0.2486

47.9923, 0.2253,
0.2486

41.7135, 0.2118,
0.2310

55.1432, 0.2402,
0.2656

36.2517, 0.2001,
0.2131

63.2060, 0.2559,
0.2817

31.5516, 0.1907,
0.1955

72.2233, 0.2720,
0.2966

27.5444, 0.1835,
0.1785

82.2334, 0.2881,
0.3103

25.9801, 0.1810,
0.1714

93.2719, 0.3040,
0.3226

99.9989, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9923, 0.2147, 0.2747



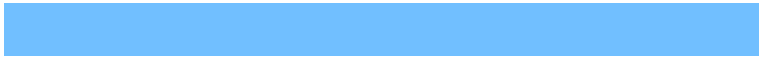
47.9923, 0.2253, 0.2486



47.9923, 0.2574, 0.2436

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.9923, 0.2253, 0.2486



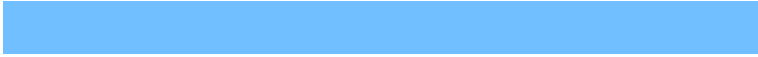
47.9923, 0.4058, 0.3263



47.9923, 0.3111, 0.4176

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.9923, 0.2253, 0.2486



53.9160, 0.4384, 0.3942

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.9923, 0.3639, 0.4273



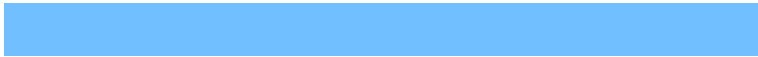
47.9923, 0.2253, 0.2486



47.9923, 0.4215, 0.3690

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.9923, 0.2253, 0.2486



47.9923, 0.3622, 0.2870



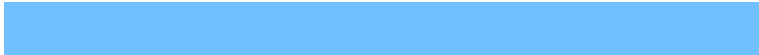
47.9923, 0.4050, 0.4066



47.9923, 0.2612, 0.3759

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.9923, 0.2253, 0.2486



47.9923, 0.2889, 0.2510



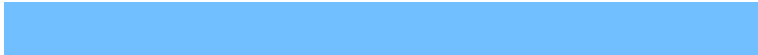
47.9923, 0.4050, 0.4066



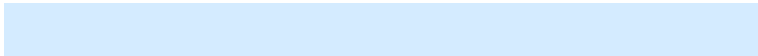
47.9923, 0.3291, 0.4247

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.9940, 0.2253, 0.2486



80.8423, 0.2860, 0.3085



78.1959, 0.2764, 0.4280



16.8616, 0.2827, 0.3058



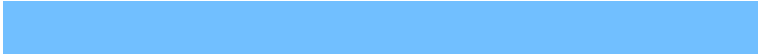
0.0000, 0.0000, 0.0000



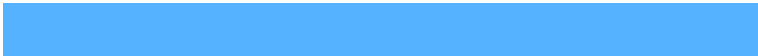
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.9940, 0.2253, 0.2486



40.9397, 0.2101, 0.2286



24.2060, 0.2060, 0.1578



19.0314, 0.2979, 0.3180



13.8798, 0.1817, 0.1741



1.5698, 0.1870, 0.1932

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.8433, 0.3852, 0.2510



30.8370, 0.4079, 0.2398



89.5162, 0.3965, 0.4565



18.1540, 0.3208, 0.3160



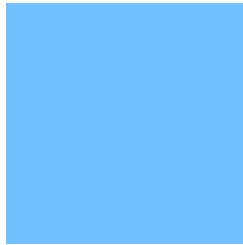
12.1291, 0.4756, 0.2394



1.2030, 0.4531, 0.2269

Previews

White Background



This preview shows how the Yxy color 47.9923, 0.2253, 0.2486 looks on a white background.

Color Contrast Check

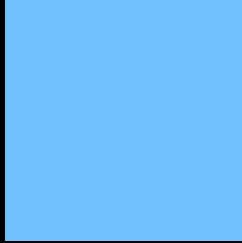
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 47.9923, 0.2253, 0.2486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

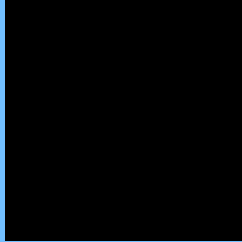
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

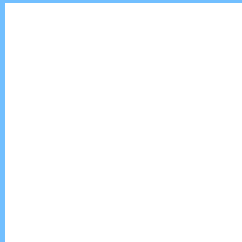
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9923, 0.2253, 0.2486

Background



This preview shows how black text looks on a background with the Yxy color 47.9923, 0.2253, 0.2486.



This preview shows how white text looks on a background with the Yxy color 47.9923, 0.2253, 0.2486.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.9923, 0.2253, 0.2486

Protanopia

47.6557, 0.2547, 0.2496

Deuteranopia

47.5368, 0.2465, 0.2408



Tritanopia

47.8911, 0.2389, 0.3051

Trichromacy



Original Color

47.9923, 0.2253, 0.2486

Protanomaly

47.6198, 0.2422, 0.2492

Deuteranomaly

47.6687, 0.2380, 0.2437

Tritanomaly

47.6269, 0.2331, 0.2818

Monochromacy



Original Color

47.9923, 0.2253, 0.2486

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.0828, 0.2729, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9923, 0.2253, 0.2486 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(113, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 191, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(113, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.9923, 0.2253, 0.2486 is called "border". The border property can be set on classes, ids or directly on the HTML element.

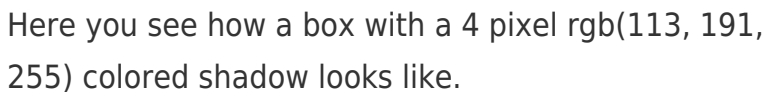
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 191, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(113, 191, 255) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(113, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 191, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 191, 255); box-shadow:4px 4px 4px 4px rgb(113, 191, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9923, 0.2253, 0.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 191, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(113,  
191, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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